

Product datasheet for **MC216157**

Slc52a3 (NM_027172) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc52a3 (NM_027172) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc52a3
Synonyms:	2310046K01Rik; RFT2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC216157 representing NM_027172
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCTTCTGACACACCTACTGGTCTGCGTCTTTGGCATGGGCTCCTGGGTGGCCATCAATGGGCTCT
 GGGTGGAGCTGCCCTGCTGGTACTGAGTTGCCGAGGCCTGGTACCTGCCTTCTTACCTCACTGTGGT
 CATCCAGCTGGCCAACATAGGCCCTCCTGGTACCCTGATGCACCGCTTCCGACCCGGCTGCCTGTCT
 GAGGTGCCTGTGATCTTCTTATCCTGTGCGTAGGCACGGCTGCCTGCATTCTCCTAGCCTTCTGTGGA
 ACGTGACCTCCTGGATACAGGGTGGACAGCATAGTGTGGCCTTCATCGTCTCACCTTCTTCTGGCCCT
 GGTGGACTGCACCTTTCTGTACCTTCTTGCCTTCATGAGCCAGCTGCCTACGTAATCTTACCACC
 TTCTTCATAGGCGAGGGGCTCAGTGGCCTCCTGCCTGCCCTGGTGGCCCTGTCCAAGGCTCCGGTATCA
 CCACCTGTGCAATGTCACGGAGACACCAGGGACCACCTTGAACACTATGGAGACTCCCATCACTCAGGG
 AAACCTTAGCCCTTCCCTGCCGTGCCAGCTGGCACCAGGAGAGCCGCTACCTGGCCCTCGCTTCTCG
 CCACTGCTCTTCTTCTACTGCTGTCTTCTGACAGGCTGCTGTCTGGTGGCCTTCTTCTCCTGCAGA
 GGCAGCCCTGGGGACGGCAAGGCTCCATAGAGGACCTCCTCCACTCCCAGGTACCCCTGCACTCTATCAG
 GCCCGAGACACAGAGGACACCAGCTCCCTGGGTGCCCTGTGAGCAGCCAGGCAAGGGATCAGTGGAA
 GCCAGTGTGGCTTCGCTCCGCCAGCCAGCTGGCCTTCATCTACTCCGTGGTGGCCTTTGTCAATGCAC
 TCACCAATGGCGTTCTGCCCTCCGTGCAGACCTACTCCTGCCTGCCTTATGGGCCTGTGGCTACCACCT
 GTCTGCCACCTCAGCTCCGTGGCCAGCCCTCGCCTGCTTCTCCCATCTTCTGCCTAACAGGTGCTG
 CTGTTATCTCTGGGGTGTCTACAGTGTGGGGACCGCCTTGGGGCTACAATATGGCCATGGCTGCTA
 TGAGCCCTGCCCTGCTCCTGCAGGCTACTGGGTGGAGAAGTCCTTATCGTGTCTCCTGGGTGCTGTT
 TGACCCCTGTCTCAGCTATGTCAAGGTGATGCTGGGTGTGATCTTGCCTGACCGGAGTCGAGTGCCTC
 TTGTGGTGTGGGCAGCGGTGCAGCTGGCTCTCTGATTGGTGCCTGCTCATGTTCCACTGGTTAATG
 TACTGAAACTCTTCTCATCTGCCGACTACTGCAGCCTGGACTGCTCCGT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja2729_d03.zip

Restriction Sites: SgfI-MluI

ACCN: NM_027172

Insert Size: 1383 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_027172.3</u> , <u>NP_081448.2</u>
RefSeq Size:	2698 bp
RefSeq ORF:	1383 bp
Locus ID:	69698
UniProt ID:	<u>Q9D6X5</u>
Cytogenetics:	2 G3
Gene Summary:	Transporter for riboflavin, which must be obtained as a nutrient via intestinal absorption. Riboflavin transport is Na(+)-independent at low pH but significantly reduced by Na(+) depletion under neutral pH conditions.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) and variant 2 encode the same protein (isoform 1).